Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Withdrawn) A method of fabricating a board from milled straw comprising the steps of:

blending the milled straw with a binder to form a mixture;

forming the mixture into a mat with sufficient size to achieve a predetermined board thickness and density; and

pressing and curing the mat into the board.

- Claim 2. (Withdrawn) The method as recited in claim 1, wherein the milled straw is rice straw.
- Claim 3. (Withdrawn) The method as recited in claim 1, further comprising the step of removing a portion of fines from the milled straw prior to blending.
- Claim 4. (Withdrawn) The method as recited in claim 1, further comprising the step of milling straw.
- Claim 5. (Withdrawn) The method as recited in claim 1, wherein the milled straw has an average longitudinal length of approximately 0.125 inches to 1.5 inches.
- Claim 6. (Withdrawn) The method as recited in claim 1, further comprising the step of controlling the moisture content of the milled straw from approximately 1% to 12% of the milled straw weight.
- Claim 7. (Withdrawn) The method as recited in claim 6, wherein the moisture content is controlled with an oven.
- Claim 8. (Withdrawn) The method as recited in claim 1, further comprising the step of blending the mixture with a fire retardant material comprising one or more of: organic phosphates, borates, sodium silicates, aluminum trihydrates, or rice hulls.
- Claim 9. (Withdrawn) The method as recited in claim 8, wherein the binder and the fire retardant material are added at a rate of approximately 2% to 20% of the milled straw weight on a dried basis.

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Claim 10. (Withdrawn) The method as recited in claim 8, wherein the milled straw weight is determined by a scale with a feedback control mechanism to regulate the rate of the binder and the fire retardant material.

- Claim 11. (Withdrawn) The method as recited in claim 1, wherein the blending is performed in a high-speed blender.
- Claim 12. (Withdrawn) The method as recited in claim 1, wherein the board is attached to one or more door skins.
- Claim 13. (Withdrawn) A fire resistant board comprising: milled rice straw; a resin binder; and

a fire retardant material comprising one or more of an organic phosphate, a borate, sodium silicate, aluminum trihydrate, or rice hulls.

- Claim 14. (Withdrawn) The board as recited in claim 12, wherein the milled rice straw has an average longitudinal length of about 0.125 inches to about 1.5 inches.
- Claim 15. (Withdrawn) The board as recited in claim 12, wherein the resin binder is an isocyanate resin.
- Claim 16. (Withdrawn) The board as recited in claim 12, wherein the resin binder comprises between about 2% and about 10% of the weight on an oven dry basis.
- Claim 17. (Withdrawn) The board as recited in claim 12, wherein the fire retardant material comprises between about 2% and about 20% of the weight on an oven dry basis.
- Claim 18. (Withdrawn) The board as recited in claim 12, wherein the board is attached to one or more door skins.
- Claim 19. (Withdrawn) The board as recited in claim 12, wherein the board is attached to a doorframe.
- Claim 20. (Original) A fire resistant door comprising: an inner door core comprising milled rice straw fiber in a cured resin matrix; and a doorframe comprising a fire-resistant material.

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(Original) The door as recited in claim 20, wherein the milled straw fiber has an Claim 21. average longitudinal length of approximately 0.125 inches to 1.5 inches.

- Claim 22. (Original) The door as recited in claim 20, wherein the door core further comprises a fire retardant material comprising one or more of: an organic phosphate, a borate, sodium silicate, aluminum trihydrate, or rice hulls.
- Claim 23. (Original) The door as recited in claim 20, further comprising one or more door skins.
- Claim 24. (New) The door as recited in claim 20, wherein the resin comprises at least 2% by weight of the door core.
- (New) The door as recited in claim 20, wherein the resin comprises less than 10% Claim 25. by weight of the door core.
- (New) The door as recited in claim 20, wherein the resin comprises one or more Claim 26. of: polyisocyanate, phenol or a urea formaldehyde.
- ره با Claim 27. (New) A fire resistant door comprising: an inner door core comprising milled rice straw fiber in a matrix of cured resin comprising at least 2% of the weight of the inner door core; and a doorframe comprising a fire-resistant material.
 - Claim 28. (New) The door as recited in claim 27, wherein the cured resin comprises less than 10% of the weight of the door core.
 - (New) The door as recited in claim 27, wherein the resin comprises one or more Claim 29. 9 6 of polyisocyanate, phenol or a urea formaldehyde.
 - Claim 30. (New) The door as recited in claim 29, wherein the resin comprises polyisocyanate.
 - Claim 31. (New) The door as recited in claim 29, wherein the resin comprises phenol.
 - 1. Claim 32. (New) The door as recited in claim 29, wherein the resin comprises urea formaldehyde.
 - (New) A fire resistant door comprising: Claim 33.

an inner door core comprising milled rice straw fiber in a matrix of cured resin comprising one or more of polyisocyanate, phenol or a urea formaldehyde, the cured resin comprising between 2% and 10% of the weight of the inner door core; and

a doorframe comprising a fire-resistant material.

(New) The door as recited in claim 33, wherein the cured resin comprises Claim 34. polyisocyanate.

- Claim 35. (New) The door as recited in claim 34, wherein the cured resin comprises 100% polyisocyanate.
- (New) The door as recited in claim 33, wherein the cured resin comprises phenol. Claim 36.
- Claim 37. (New) The door as recited in claim 33, wherein the cured resin comprises a urea formaldehyde.
- Claim 38. (New) The door as recited in claim 33, wherein the door core further comprises a fire retardant material comprising one or more of: an organic phosphate, a borate, sodium silicate, aluminum trihydrate, or rice hulls.

fire retardant material comprising one or more of: an organic phosphate, a borate, sodium silicate, aluminum trihydrate, or rice hulls. (New) The door as recited in claim 33, wherein the door core further comprises a material comprising one or m